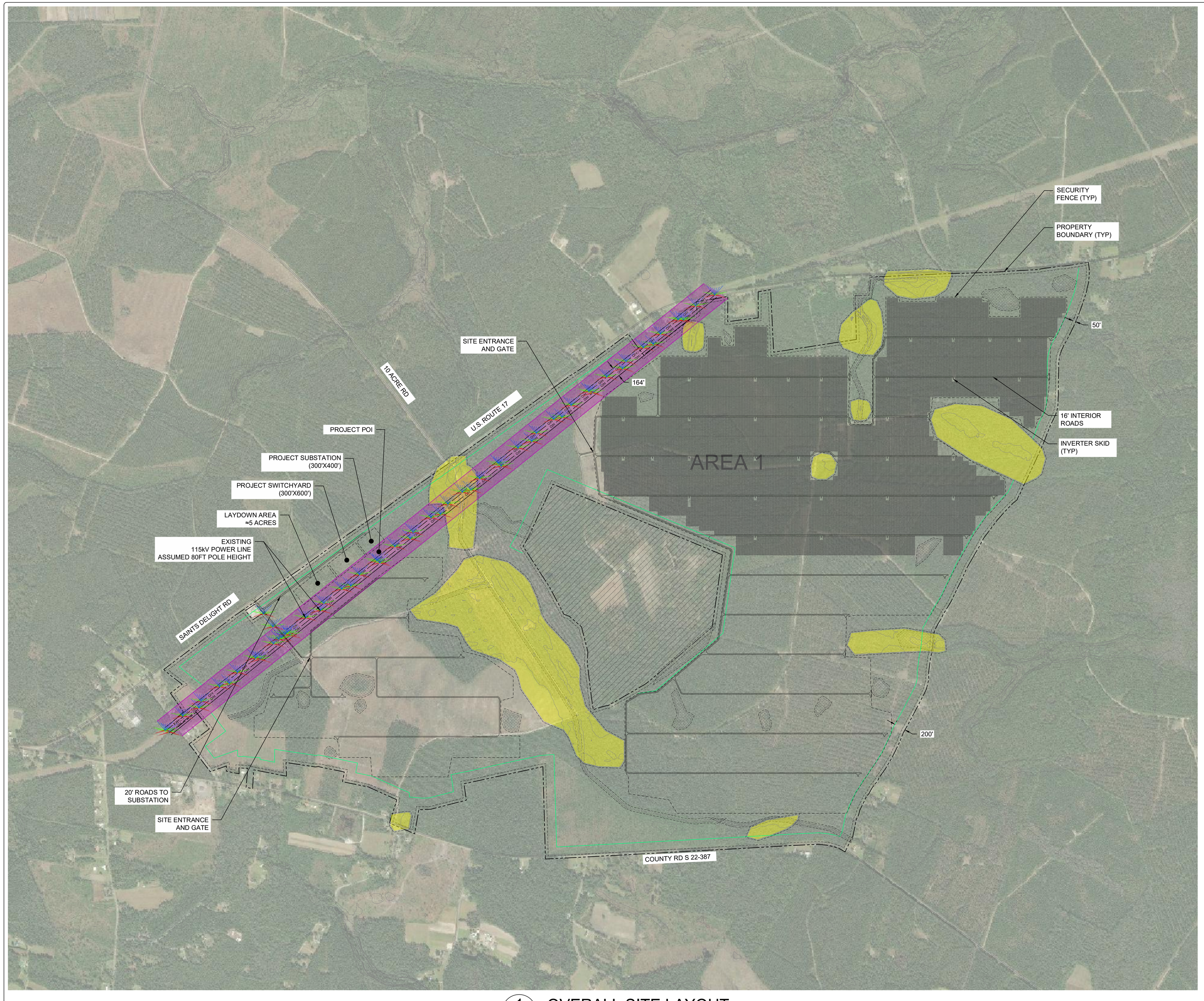
Exhibit G to Application

Lambert I and Lambert II Sites and Equipment

Lambert I - Site



1 - OVERALL SITE LAYOUT

1" = 800'

0' 400' 800' 1600'

SHEET NOTES:

1. LOCATIONS SHOWN ARE FOR GENERAL GUIDANCE ONLY. SLOPES OF THE SITE ARE NOT DEPICTED AND LOCATIONS MUST BE VERIFIED ON SITE BEFORE INSTALLATION.
2. FINAL STRING SIZING TO BE CONFIRMED BY ENGINEER-OF-RECORD
3. SITE LAYOUT ASSUMES 100FT TREE HEIGHT.

SYSTEM SPECIFICATIONS:

SYSTEM STC DC RATING (MW)	135.01
SYSTEM AC CAPACITY (MW)	124.00
SYSTEM AC RATING AT POI (MW)	100
POI DC/AC RATIO	1.35
MODULE MODEL	FIRST SOLAR FS-6435A DEC2017
MODULE STC DC RATING (W)	435
MODULE COUNT	310368
MODULES PER STRING	6
13 STRNGS TRACKER	3593
12 STRNGS TRACKER	0
10 STRNGS TRACKER	499
6 STRNGS TRACKER	0
STRING COUNT	51728
INVERTER MODEL	SMA SUNNY CENTRAL 4000 UP
INVERTER RATING (MW)	4.00
QUANTITY OF INVERTERS	31
TRANSFORMER RATING (MVA)	4.00
QUANTITY OF TRANSFORMERS	31
DC SYSTEM VOLTAGE (V)	1500
INTERCONNECTION VOLTAGE (KV)	115
TRANSMISSION LENGTH	0.0
RACKING SYSTEM	TRACKER (1 PORTRAIT)
MODULE TILT	+/- 60°
AZIMUTH	180°
GCR	0.4
ROW-TO-ROW SPACING (M)	16.48
ASHRAE 2% DRY-BULB TEMP MAX (°C)	30.7°
ASHRAE EXTREME ANNUAL MEAN MINIMUM DRY-BULB TEMP	-5.6°
PROPERTY AREA (ACRES)	785
FENCED AREA (ACRES)	576
FENCING LENGTH (L.F.)	26307
ROADS (L.F.)	37932.5

LEGEND

- PROPERTY LINE
- FENCE LINE
- ROAD
- EXISTING OVERHEAD ELECTRICAL
- SETBACK / WATERS
- RIGHT OF WAY (ROW)
- SETBACK FOR TREE SHADING
- WETLANDS, 25 FT SETBACK (TYP)
- TRANSMISSION STRUCTURE SHADE
- OH LINE SHADING BUFFER
- EXCLUSION AREA
- AREAS WITH >1 FEET OF STANDING WATER
- PHASE I & II

PRELIMINARY - NOT FOR CONSTRUCTION

REVAMP
ENGINEERING, INC.
555 12th St, 5th Floor
Oakland, CA 94607
www.revamp-eng.com

ENGINEER'S STAMP

CLIENT

SILICON RANCH

PROJECT NAME
SR LAMBERT I SOLAR

SITE LOCATION
GEORGETOWN CO, SC 30.335083°, -95.896973°

DRAWING ISSUE	
1	07/21/2020 PRELIMINARY
2	07/23/2020 SEPARATE PHASE I / II

REVISION ISSUE

DRAWN BY: ET CHECKED BY: RJ

PROJECT NO.: 20114

DRAWING TITLE
PHASE I SITE LAYOUT

DRAWING NUMBER
E201

Lambert II - Site

1 - OVERALL SITE LAYOUT

1" = 800'

0' 400' 800' 1600'

SHEET NOTES:

1. LOCATIONS SHOWN ARE FOR GENERAL GUIDANCE ONLY. SLOPES OF THE SITE ARE NOT DEPICTED AND LOCATIONS MUST BE VERIFIED ON SITE BEFORE INSTALLATION.
2. FINAL STRING SIZING TO BE CONFIRMED BY ENGINEER-OF-RECORD
3. SITE LAYOUT ASSUMES 100FT TREE HEIGHT.

SYSTEM SPECIFICATIONS:

SYSTEM STC DC RATING (MW)	135.01
SYSTEM AC CAPACITY (MW)	124.00
SYSTEM AC RATING AT POI (MW)	100
POI DC/AC RATIO	1.35
MODULE MODEL	FIRST SOLAR FS-6435A DEC2017
MODULE STC DC RATING (W)	435
MODULE COUNT	310368
MODULES PER STRING	6
13 STRNGS TRACKER	3839
12 STRNGS TRACKER	0
10 STRNGS TRACKER	185
6 STRNGS TRACKER	0
STRING COUNT	51728
INVERTER MODEL	SMA SUNNY CENTRAL 4000 UP
INVERTER RATING (MW)	4.00
QUANTITY OF INVERTERS	31
TRANSFORMER RATING (MVA)	4.00
QUANTITY OF TRANSFORMERS	31
DC SYSTEM VOLTAGE (V)	1500
INTERCONNECTION VOLTAGE (KV)	115
TRANSMISSION LENGTH	0.0
RACKING SYSTEM	TRACKER (1 PORTRAIT)
MODULE TILT	+/- 60°
AZIMUTH	180°
GCR	0.4
ROW-TO-ROW SPACING (M)	16.48
ASHRAE 2% DRY-BULB TEMP MAX (°C)	30.7°
ASHRAE EXTREME ANNUAL MEAN MINIMUM DRY-BULB TEMP	-5.6°
PROPERTY AREA (ACRES)	1290
FENCED AREA (ACRES)	612
FENCING LENGTH (L.F.)	64188
ROADS (L.F.)	57775

	SYSTEM STC DC RATING (MW)	SYSTEM AC CAPACITY (MW)	INV QTY	INVERTER DC/AC RATIO	POI DC/AC RATIO
AREA 1	87.12	80.00	20	1.089	1.350
AREA 2	47.96	44.00	11	1.090	1.352

LEGEND

- PROPERTY LINE
- FENCE LINE
- ROAD
- EXISTING OVERHEAD ELECTRICAL
- SETBACK / WATERS
- RIGHT OF WAY (ROW)
- SETBACK FOR TREE SHADING
- WETLANDS, 25 FT SETBACK (TYP)
- TRANSMISSION STRUCTURE SHADE
- OH LINE SHADING BUFFER
- EXCLUSION AREA
- AREAS WITH >1 FEET OF STANDING WATER
- PHASE I & II

PRELIMINARY - NOT FOR CONSTRUCTION

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www.revamp-eng.com

ENGINEER'S STAMP

CLIENT

SILICON RANCH

PROJECT NAME
SR LAMBERT II SOLAR

SITE LOCATION
GEORGETOWN CO, SC 30.335083°, -95.896973°

DRAWING ISSUE

1	07/21/2020 PRELIMINARY
2	07/23/2020 SEPARATE PHASE I / II

REVISION ISSUE

DRAWN BY: ET CHECKED BY: RJ

PROJECT NO.: 20114

DRAWING TITLE
PHASE II SITE LAYOUT

DRAWING NUMBER
E202

Lambert I & II Equipment

Efficient
- Up to 4 inverters can be transported in one standard shipping container
- Overdimensioning up to 150% is possible
- Full power at ambient temperatures of up to 25°C

Robust
- Intelligent air cooling system OptiCool for efficient cooling
- Suitable for outdoor use in all climatic ambient conditions worldwide

Flexible
- Conforms to all known grid requirements worldwide
- Q on demand
- Available as a single device or turn-key solution, including medium-voltage block

Easy to Use
- Improved DC connection area
- Connection area for customer equipment
- Integrated voltage support for internal and external loads

SUNNY CENTRAL
4000 UP-US / 4200 UP-US / 4400 UP-US / 4600 UP-US

The new Sunny Central: more power per cubic meter

With an output of up to 4600 kVA and system voltages of 1500 V DC, the SMA central inverter allows for more efficient system design and a reduction in specific costs for PV power plants. A separate voltage supply and additional space are available for the installation of customer equipment. True 1500 V technology and the intelligent cooling system OptiCool ensure smooth operation even in extreme ambient temperature as well as a long service life of 25 years.

SUNNY CENTRAL 4000 UP-US / 4200 UP-US

Technical data*	SC 4000 UP-US	SC 4200 UP-US
Input (DC)		
MPP voltage range V_{DC} (at 25 °C / at 50 °C)	880 to 1350 V / 1100 V	921 to 1350 V / 1100 V
Min. input voltage $V_{DC, min}$ / Start voltage $V_{DC, Start}$	849 V / 1030 V	891 V / 1071 V
Max. input voltage $V_{DC, max}$	1500 V	1500 V
Max. input current $I_{DC, max}$	4750 A	4750 A
Max. short-circuit current $I_{DC, sc}$	6400 A	6400 A
Number of DC inputs	24 double pole fused (32 single pole fused)	
Max. number of DC cables per DC input (for each polarity)	2 x 800 kcmil, 2 x 400 mm²	
Integrated zone monitoring	o	
Available DC fuse sizes (per input)	200 A, 250 A, 315 A, 350 A, 400 A, 450 A, 500 A	
Output (AC)		
Nominal AC power at cos ϕ =1 (at 25°C / at 50°C)	4000 kVA / 3400 kVA	4200 kVA / 3570 kVA
Nominal AC power at cos ϕ =0.8 (at 25°C / at 50°C)	3200 kW / 2720 kW	3360 kW / 2856 kW
Nominal AC current $I_{AC, nom}$ (at 25°C / at 50°C)	3850 A / 3273 A	3850 A / 3273 A
Max. total harmonic distortion	< 3% at nominal power	< 3% at nominal power
Nominal AC voltage / nominal AC voltage range[1) 8)]	600 V / 480 V to 720 V	630 V / 504 V to 756 V
AC power frequency / range	50 Hz / 47 Hz to 53 Hz 60 Hz / 57 Hz to 63 Hz	
Min. short-circuit ratio at the AC terminals[9)]	> 2	
Power factor at rated power / displacement power factor adjustable[8) 10)]	1 / 0.8 overexcited to 0.8 underexcited	
Efficiency		
Max. efficiency[2)] / European efficiency[2)] / CEC efficiency[3)]	98.7%* / 98.6%* / 98.5%*	98.7%* / 98.6%* / 98.5%*
Protective Devices		
Input-side disconnection point	DC load break switch	
Output-side disconnection point	AC circuit breaker	
DC overvoltage protection	Surge arrester, type I	
AC overvoltage protection (optional)	Surge arrester, class I	
Lightning protection (according to IEC 62305-1)	Lightning Protection Level III	
Ground-fault monitoring / remote ground-fault monitoring	o / o	
Insulation monitoring	o	
Degree of protection	NEMA 3R	
General Data		
Dimensions (W / H / D)	2780 / 2318 / 1588 mm (109.4 / 91.3 / 62.5 inch)	
Weight	< 4000 kg / < 8818.5 lb	
Self-consumption (max.[4)] / partial load[5)] / average[6)])	< 8100 W / < 1800 W / < 2000 W	
Self-consumption (standby)	< 370 W	
Internal auxiliary power supply	o Integrated 8.4 kVA transformer	
Operating temperature range[8)]	−25°C to 60°C / −13°F to 140°F	
Noise emission[7)]	67.0 dB(A)*	
Temperature range (standby)	−40°C to 60°C / −40°F to 140°F	
Temperature range (storage)	−40°C to 70°C / −40°F to 158°F	
Max. permissible value for relative humidity (condensing / non-condensing)	95% to 100% (2 month/year) / 0% to 95%	
Maximum operating altitude above MSL[8)] 1000 m / 2000 m / 3000 m	● / o / o (earlier temperature-dependent derating)	
Fresh air consumption	6500 m³/h	
Features		
DC connection	Terminal lug on each input (without fuse)	
AC connection	With busbar system (three busbars, one per line conductor)	
Communication	Ethernet, Modbus Master, Modbus Slave	
Communication with SMA string monitor (transmission medium)	Modbus TCP / Ethernet (FO MM, Cat-5)	
Enclosure / roof color	RAL 9016 / RAL 7004	
Supply transformer for external loads	o (2.5 kVA)	
Standards and directives complied with	UL 62109-1, UL 1741 (Chapter 31, CDR 6I), UL 1741-SA, UL 1998, IEEE 1547, MIL-STD-810G	
EMC standards	FCC Part 15 Class A	
Quality standards and directives complied with	VDI/VDE 2862 page 2, DIN EN ISO 9001	

● Standard features o Optional * preliminary

1) At nominal AC voltage, nominal AC power decreases in the same proportion
2) Efficiency measured without internal power supply
3) Efficiency measured with internal power supply
4) Self-consumption at rated operation
5) Self-consumption at < 75% Pn at 25°C
6) Self-consumption averaged out from 5% to 100% Pn at 25°C
7) Sound pressure level at a distance of 10 m
8) Values apply only to inverters. Permissible values for SMA MV solutions from SMA can be found in the corresponding data sheets.
9) A short-circuit ratio of < 2 requires a special approval from SMA
10) Depending on the DC voltage

SUNNY CENTRAL 4400 UP-US / 4600 UP-US

Technical data*	SC 4400 UP-US	SC 4600 UP-US
Input (DC)		
MPP voltage range V_{DC} (at 25 °C / at 50 °C)	962 to 1350 V / 1100 V	1003 to 1350 V / 1100 V
Min. input voltage $V_{DC, min}$ / Start voltage $V_{DC, Start}$	934 V / 1112 V	976 V / 1153 V
Max. input voltage $V_{DC, max}$	1500 V	1500 V
Max. input current $I_{DC, max}$	4750 A	4750 A
Max. short-circuit current $I_{DC, sc}$	6400 A	6400 A
Number of DC inputs	24 double pole fused (32 single pole fused)	
Max. number of DC cables per DC input (for each polarity)	2 x 800 kcmil, 2 x 400 mm²	
Integrated zone monitoring	o	
Available DC fuse sizes (per input)	200 A, 250 A, 315 A, 350 A, 400 A, 450 A, 500 A	
Output (AC)		
Nominal AC power at cos ϕ =1 (at 25°C / at 50°C)	4400 kVA / 3740 kVA	4600 kVA / 3910 kVA
Nominal AC power at cos ϕ =0.8 (at 25°C / at 50°C)	3520 kW / 2992 kW	3680 kW / 3128 kW
Nominal AC current $I_{AC, nom}$ (at 25°C / at 50°C)	3850 A / 3273 A	3850 A / 3273 A
Max. total harmonic distortion	< 3% at nominal power	< 3% at nominal power
Nominal AC voltage / nominal AC voltage range[1) 8)]	660 V / 528 V to 759 V	690 V / 552 V to 759 V
AC power frequency / range	50 Hz / 47 Hz to 53 Hz 60 Hz / 57 Hz to 63 Hz	
Min. short-circuit ratio at the AC terminals[9)]	> 2	
Power factor at rated power / displacement power factor adjustable[8) 10)]	1 / 0.8 overexcited to 0.8 underexcited	
Efficiency		
Max. efficiency[2)] / European efficiency[2)] / CEC efficiency[3)]	98.7%* / 98.6%* / 98.5%*	98.7%* / 98.6%* / 98.5%*
Protective Devices		
Input-side disconnection point	DC load break switch	
Output-side disconnection point	AC circuit breaker	
DC overvoltage protection	Surge arrester, type I	
AC overvoltage protection (optional)	Surge arrester, class I	
Lightning protection (according to IEC 62305-1)	Lightning Protection Level III	
Ground-fault monitoring / remote ground-fault monitoring	o / o	
Insulation monitoring	o	
Degree of protection	NEMA 3R	
General Data		
Dimensions (W / H / D)	2780 / 2318 / 1588 mm (109.4 / 91.3 / 62.5 inch)	
Weight	< 4000 kg / < 8818.5 lb	
Self-consumption (max.[4)] / partial load[5)] / average[6)])	< 8100 W / < 1800 W / < 2000 W	
Self-consumption (standby)	< 370 W	
Internal auxiliary power supply	o Integrated 8.4 kVA transformer	
Operating temperature range[8)]	−25°C to 60°C / −13°F to 140°F	
Noise emission[7)]	67.0 dB(A)*	
Temperature range (standby)	−40°C to 60°C / −40°F to 140°F	
Temperature range (storage)	−40°C to 70°C / −40°F to 158°F	
Max. permissible value for relative humidity (condensing / non-condensing)	95% to 100% (2 month/year) / 0% to 95%	
Maximum operating altitude above MSL[8)] 1000 m / 2000 m / 3000 m	● / o / o (earlier temperature-dependent derating)	
Fresh air consumption	6500 m³/h	
Features		
DC connection	Terminal lug on each input (without fuse)	
AC connection	With busbar system (three busbars, one per line conductor)	
Communication	Ethernet, Modbus Master, Modbus Slave	
Communication with SMA string monitor (transmission medium)	Modbus TCP / Ethernet (FO MM, Cat-5)	
Enclosure / roof color	RAL 9016 / RAL 7004	
Supply transformer for external loads	o (2.5 kVA)	
Standards and directives complied with	UL 62109-1, UL 1741 (Chapter 31, CDR 6I), UL 1741-SA, UL 1998 IEEE 1547, MIL-STD-810G	
EMC standards	FCC Part 15 Class A	
Quality standards and directives complied with	VDI/VDE 2862 page 2, DIN EN ISO 9001	

● Standard features o Optional * preliminary

1) At nominal AC voltage, nominal AC power decreases in the same proportion
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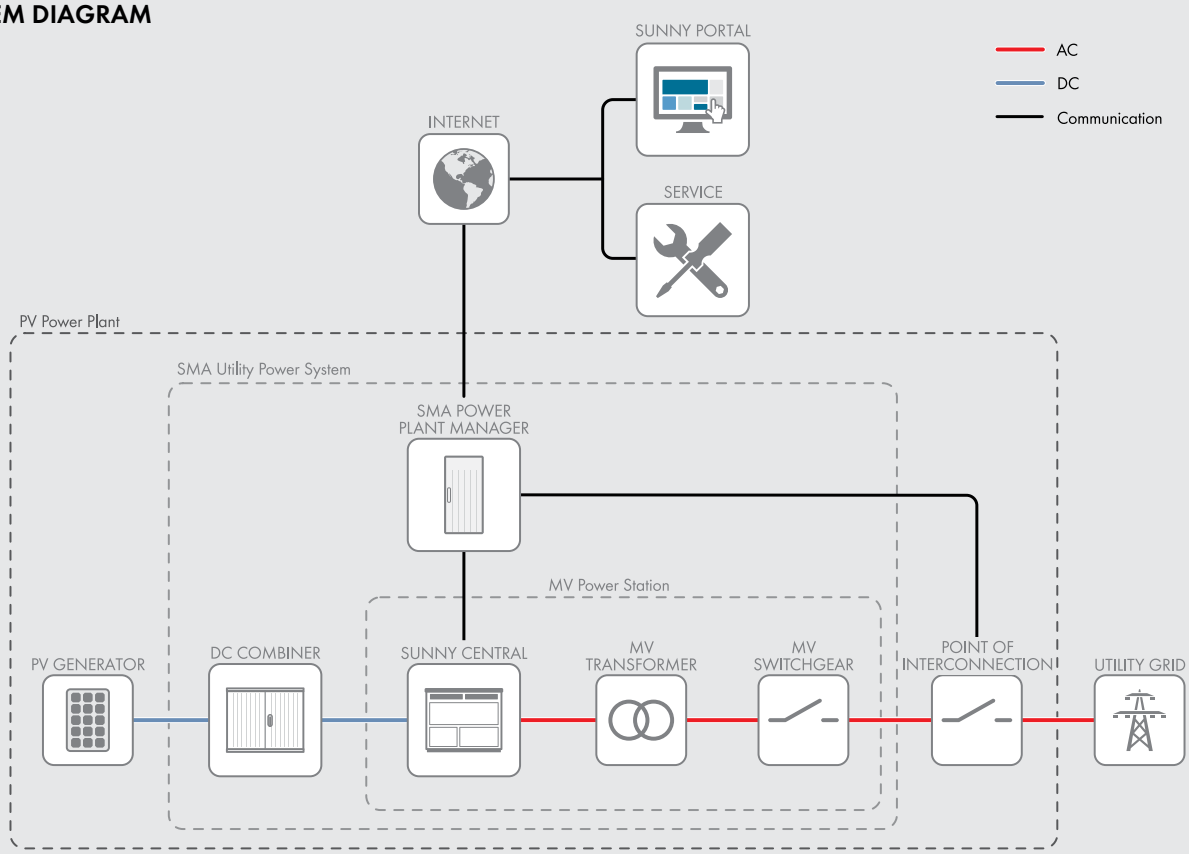
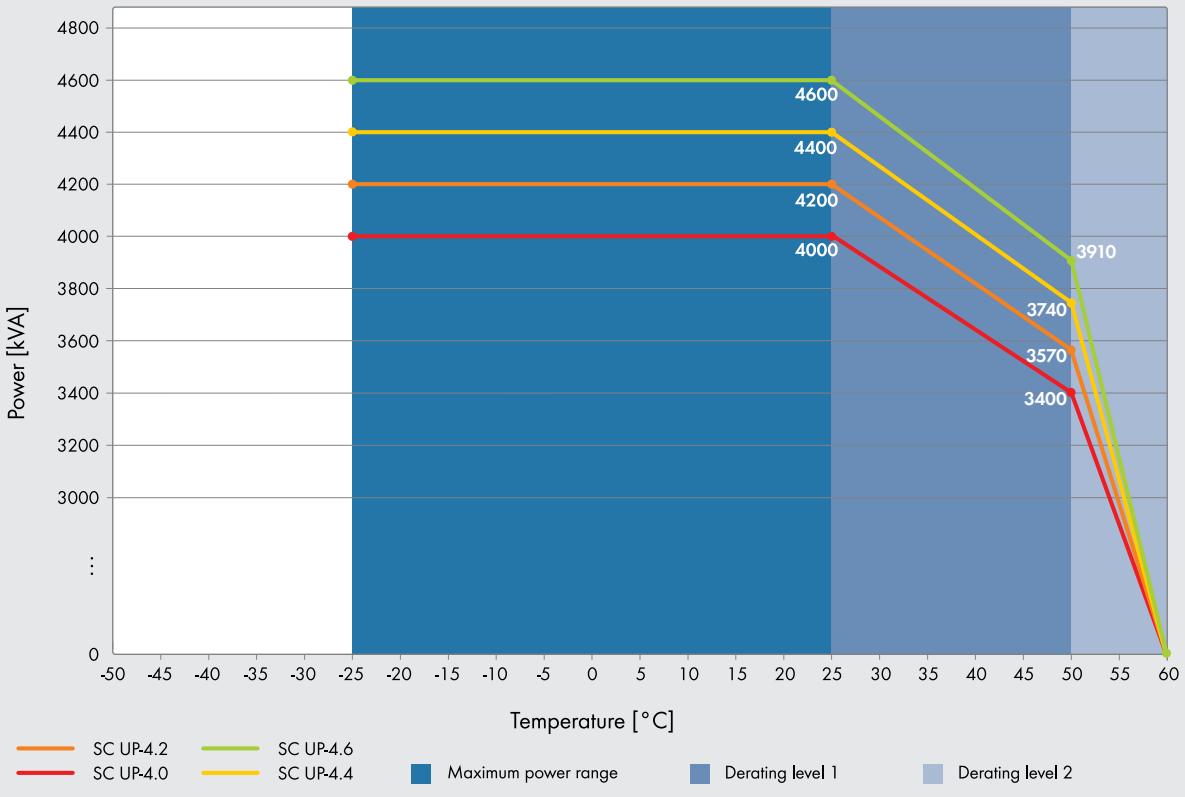
8) Values apply only to inverters. Permissible values for SMA MV solutions from SMA can be found in the corresponding data sheets.
9) A short-circuit ratio of < 2 requires a special approval from SMA
10) Depending on the DC voltage

SYSTEM DIAGRAM



TEMPERATURE BEHAVIOR (at 1000 m)



First Solar Series 6™

NEXT GENERATION THIN FILM SOLAR TECHNOLOGY

MODULE DATASHEET

HIGH-POWER PV MODULES

First Solar Series 6™ photovoltaic (PV) module sets a new industry benchmark for reliable energy production, optimized design and environmental performance. Series 6 modules are optimized for every stage of your application, significantly reducing balance of system, shipping, and operating costs.

420-445 Watts
17%+ Efficiency

MORE ENERGY PER MODULE

- More watts per connection and per lift (420+ watts) than 72-cell silicon modules
- With superior temperature coefficient, spectral response and shading behavior, Series 6 modules generate up to 8% more energy per watt than conventional crystalline silicon solar modules
- Anti-reflective coated glass enhances energy production

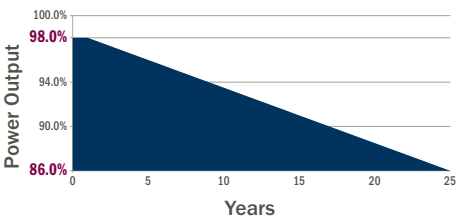
INNOVATIVE MODULE DESIGN

- Under-mount frame allows for simple and fast installation
- SpeedSlots™ combine the robustness of bottom mounting with the speed of top clamping while utilizing fewer fasteners
- Dual junction box optimizes module-to-module connections
- Under-mount frame provides the cleaning and snow-shedding benefits of a frameless module, protects edges against breakage and enables horizontal stacking

INDUSTRY-LEADING MODULE WARRANTY[1]

98% WARRANTY START POINT

0.5% WARRANTED ANNUAL DEGRADATION RATE



- 25-Year Linear Performance Warranty
- 10-Year Limited Product Warranty

PROVEN LONG-TERM RELIABILITY

- Manufactured using methods and process adapted from Series 4 modules – the most tested solar modules in the industry
- Independently tested and certified for reliable performance that exceeds IEC standards in high temperature, high humidity, extreme desert and coastal applications

BEST ENVIRONMENTAL PROFILE

- Fastest energy payback time and smallest carbon and water footprint in the industry
- Global PV collection and recycling services available through First Solar or customer-selected third-party

FIRST SOLAR SERIES 6™

MODEL TYPES AND RATINGS AT STANDARD TEST CONDITIONS (1000W/m², AM 1.5, 25°C)[2]							
NOMINAL VALUES		FS-6420 FS-6420A	FS-6425 FS-6425A	FS-6430 FS-6430A	FS-6435 FS-6435A	FS-6440 FS-6440A	FS-6445 FS-6445A
Nominal Power[3] (-0/+5%)	P_{MAX} (W)	420.0	425.0	430.0	435.0	440.0	445.0
Efficiency (%)	%	17.0	17.2	17.4	17.6	17.8	18.0
Voltage at P_{MAX}	V_{MAX} (V)	180.4	181.5	182.6	183.6	184.7	185.7
Current at P_{MAX}	I_{MAX} (A)	2.33	2.34	2.36	2.37	2.38	2.40
Open Circuit Voltage	V_{OC} (V)	218.5	218.9	219.2	219.6	220.0	220.4
Short Circuit Current	I_{SC} (A)	2.54	2.54	2.54	2.55	2.55	2.56
Maximum System Voltage	V_{SYS} (V)	1500[5]					
Limiting Reverse Current	I_R (A)	6.0					
Maximum Series Fuse	I_{CF} (A)	6.0					
RATINGS AT NOMINAL OPERATING CELL TEMPERATURE OF 45°C (800W/m², 20°C air temperature, AM 1.5, 1m/s wind speed)[2]							
Nominal Power	P_{MAX} (W)	317.2	320.9	324.7	328.5	332.4	336.0
Voltage at P_{MAX}	V_{MAX} (V)	168.7	169.8	170.9	172.0	173.1	174.1
Current at P_{MAX}	I_{MAX} (A)	1.88	1.89	1.90	1.91	1.92	1.93
Open Circuit Voltage	V_{OC} (V)	206.3	206.6	207.0	207.3	207.7	208.0
Short Circuit Current	I_{SC} (A)	2.04	2.05	2.05	2.06	2.06	2.06

TEMPERATURE CHARACTERISTICS		
Module Operating Temperature Range	(°C)	-40 to +85
Temperature Coefficient of P_{MAX}	T_K (P_{MAX})	-0.32%/°C [Temperature Range: 25°C to 75°C]
Temperature Coefficient of V_{OC}	T_K (V_{OC})	-0.28%/°C
Temperature Coefficient of I_{SC}	T_K (I_{SC})	+0.04%/°C

CERTIFICATIONS AND TESTS

IEC

61215 & 61730 1500V[5], CE
61701 Salt Mist Corrosion[4]
60068-2-68 Dust and Sand Resistance[4]

UL

UL 1703 1500V Listed[5]

REGIONAL CERTIFICATIONS

CSI Eligible[4] JET[4]
MCS SII[4]
InMetro[4]

EXTENDED DURABILITY TESTS

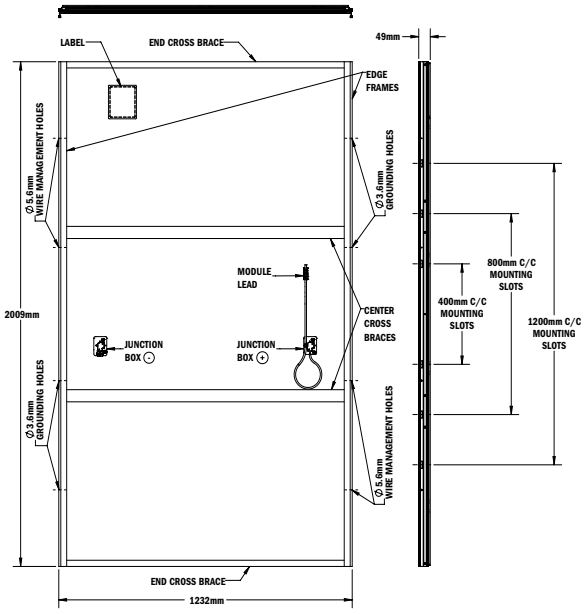
Long-Term Sequential[4]
Thresher Test[4]
PID Resistant

QUALITY & EHS

ISO 9001:2015 & 14001:2015
OHSAS 18001:2007
ISO 45001:2018

MECHANICAL DESCRIPTION	
Length	2009mm
Width	1232mm
Thickness	49mm
Area	2.47m²
Module Weight	36kg
Leadwire[6]	2.5mm², 720mm (+) & Bulkhead (-)
Connectors	MC4-EVO 2
Bypass Diode	N/A
Cell Type	Thin film CdTe semiconductor, up to 264 cells
Frame Material	Anodized Aluminum
Front Glass	2.8mm heat strengthened Series 6A™ includes anti-reflective coating
Back Glass	2.2mm heat strengthened
Encapsulation	Laminate material with edge seal
Frame to Glass Adhesive	Silicone
Load Rating[7]	2400Pa

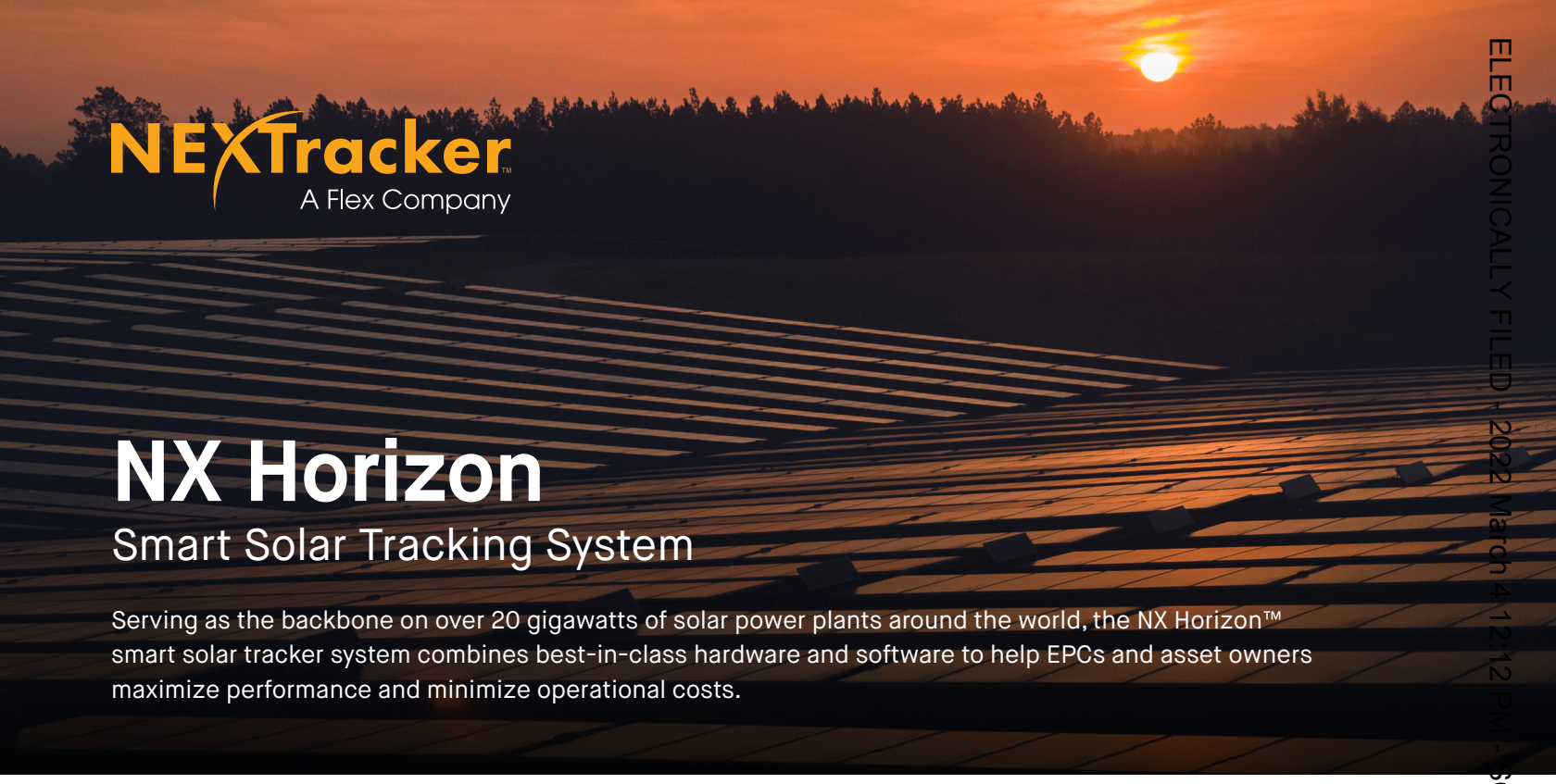
MECHANICAL DRAWING



Install in portrait only

PACKAGING INFORMATION			
Modules Per Pallet	26	Pallet Dimensions (L x W x H)	2200 x 1300 x 1150mm (86 x 51 x 45in)
Pallet Weight	1051kg	Pallets per 40' Container	18

1 Limited power output and product warranties subject to warranty terms and conditions
2 All ratings ±10%, unless specified otherwise. Specifications are subject to change
3 Measurement uncertainty applies
4 Testing Certifications/Listings pending
5 IEC 61730-1: 2016 Class II | ULC 1703 1000V listed
6 Leadwire length from junction box exit to connector mating surface
7 Higher load ratings can be met with additional support, subject to testing



NEXTracker
A Flex Company

NX Horizon

Smart Solar Tracking System

Serving as the backbone on over 20 gigawatts of solar power plants around the world, the NX Horizon™ smart solar tracker system combines best-in-class hardware and software to help EPCs and asset owners maximize performance and minimize operational costs.

Self-Powered System with Smart Performance Monitoring

NX Horizon's reliable self-powered motor and control system, balanced mechanical design and independent row architecture provide project design flexibility, while lowering operation and maintenance (O&M) costs. NX Horizon works in concert with the NX Data Hub platform, a utility-grade software that uses bidirectional communications to each and every tracker row in the power plant for continuous, real-time monitoring. In addition, NEXTracker's Digital O&M™ services provide real-time analytics and predictive maintenance to help manage operations and minimize O&M costs over the lifetime of the systems.

Flexible and Resilient by Design

With its self-aligning module rails and vibration-proof fasteners, NX Horizon can be easily and rapidly installed. The self-powered, decentralized architecture allows each row to be commissioned in advance of site power,and is designed to withstand high winds and other adverse weather conditions. On a recent 838 megawatt project in Villanueva, Mexico, these design features allowed for the project to go online nine months ahead of schedule.

TrueCapture and Bifacial Enabled

Incorporating the most promising innovations in utility scale solar, NX Horizon with TrueCapture™ smart control system can add additional energy production by up to six per cent. Further unlocking the advantages of independent-row architecture and the data collected from thousands of sensors across its built-in wireless network, the software continuously optimizes the tracking algorithm of each row in response to site terrain and changing weather conditions. NX Horizon can also be paired with bifacial PV module technology, which can provide even more energy harvest and performance. With bifacial technology, NX Horizon outperforms conventional tracking systems with over 1% more annual energy.

4 YEARS IN A ROW
Global Market Share Leader (2015-18)

25+ GW
Delivered on 5 Continents

BEST-IN-CLASS
Software Ecosystem and Global Services

UP TO 6%
Using TrueCapture Smart Control System

Quality and Reliability from Day One

Quality and reliability are designed and tested into every NX Horizon component and system across our supply chain and manufacturing operations. NEXTracker is the leader in dynamic wind analysis and safety stowing, delivering major benefits in uptime and long-term durability. NX Horizon is certified to UL 2703 and UL 3703 standards, underscoring NEXTracker's commitment to safety, reliability and quality.

GENERAL AND MECHANICAL

Tracking type	Horizontal single-axis, independent row
String voltage	1,500 V_{DC} or 1,000 V_{DC}
Typical row size	78 - 90 modules, depending on module string length
Drive type	Non-backdriving, high accuracy slew gear
Motor type	24V brushless DC motor
Array height	Rotation axis elevation 1.3 to 1.8 m / 4'3" to 5'10"
Ground coverage ratio (GCR)	Configurable. Typical range 28-50%
Modules supported	Mounting options available for virtually all utility-scale crystalline modules, First Solar Series 6 and First Solar Series 4.
Bifacial features	High-rise mounting rails, bearing + driveline gaps and round torque tube

Tracking range of motion	Options for ±60° or ±50°
Operating temperature range	Self powered: -30°C to 55°C (-22°F to 131°F) AC powered: -40°C to 55°C (-40°F to 131°F)
Module configuration	1 in portrait. 3 x 1,500V or 4 x 1,000V strings per standard tracker. Partial length trackers available.
Module attachment	Self-grounding, electric tool-actuated fasteners
Materials	Galvanized steel
Allowable wind speed	Configurable up to 200 kph (125 mph) 3-second gust.
Wind protection	Intelligent wind stowing with symmetric dampers for maximum array stability in all wind conditions.
Foundations	Standard W6 section foundation posts

ELECTRONICS AND CONTROLS

Solar tracking method	Astronomical algorithm with backtracking. TrueCapture™ upgrades available for terrain adaptive backtracking and diffuse tracking mode.
Control electronics	NX tracker controller with inbuilt inclinometer and backup battery.
Communications	Zigbee wireless communications to all tracker rows and weather stations via network control units (NCUs).
Nighttime stow	Yes
Power supply	Self powered: NX provided 30 or 60W Smart Panel AC powered: Customer-provided 120-240 V_{AC} circuit

INSTALLATION, OPERATIONS AND SERVICE

PE stamped structural calculations and drawings	Included
Onsite training and system commissioning	Included
Installation requirements	Simple assembly using swaged fasteners and bolted connections. No field cutting, drilling or welding.
Monitoring	NX Data Hub™ centralized data aggregation and monitoring
Module cleaning compatibility	Compatible with NX qualified cleaning systems.
Warranty	10-year structural, 5-year drive and control components
Codes and standards	UL 3703, UL 2703, IEC 62817

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